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| Applie | cation | /Conti | rol No. |
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10/792,118 Examiner

Jes F. Pascua

FISHER, DAVID L.
Art Unit

Reexamination

Applicant(s)/Patent under

3782

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α o Objected

|            |  |                |   |  |               |            |              | Į        |              |                 |
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| Cla        | aim  |                |   |  | [             | Date       | •            |          |              |                 |
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| <u></u>    | Original   | 07             | 2   |  |               |            |              |          |              | : I             |
| Final      | <u>.</u> g   | 1              | 70/8/7  |  |               |            |              |          | .            |                 |
| u          | ō  | 7              | 7   |  |               |            |              |          |              |                 |
| J          | ·  |                | _   |  |               |            |              |          |              | _               |
|            | 1  | 1              | п   |  |               |            |              |          |              |                 |
|            | 2  | <b>√</b>       |   |  |               |            |              |          |              |                 |
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|            | 4  | V              |   |  |               |            |              |          |              |                 |
|            | 5  | 0              |   |  |               |            |              |          |              |                 |
|            | 1<br>2<br>3<br>4<br>5<br>6<br>7  | 0              | =   |  |               |            |              |          |              |                 |
| $\vdash$   | 7  |                | =   | <del>  -</del>                                   |               |            |              |          |              | -               |
|            | 8  | 5              | ┢   |  |               |            |              | -        | _            | -1              |
| <b>├</b>   | <u>~</u>   | 0 0            | <del>-</del>  | -  |               |            |              | _        | $\vdash$     | $\dashv$        |
|            | 40   | Ť              | ١Ÿ  | _  | -             | -          | -            | _        |              | $\dashv$        |
|            | 9<br>10<br>11  | <u> </u>       | = 1   | ļ  | <u> </u>      |            | <u> </u>     | <u> </u> | <b>-</b>     | $\vdash$        |
| <u></u>    | 11   | L              | ✓   | <u> </u>   | $\vdash$      | _          | Ш            |          |              | Щ               |
|            | 12   | <u> </u>       |   | <u> </u>   | L_            |            |              |          | _            | Ш               |
|            | 13   | L              |   | L  |               |            |              |          |              |                 |
|            | 14   |                |   |  |               |            |              |          |              |                 |
|            | 15   | Γ              |   | П  | ·             |            |              |          |              | П               |
|            | 12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30 | $\vdash$       |   |  | $\overline{}$ |            |              |          |              | Н               |
| <b> </b>   | 17   | ┰              | $\vdash$  | <del>                                     </del> | $\vdash$      | $\vdash$   | _            | $\vdash$ |              | H               |
|            | 18   | ┢┈             | -   | -  |               | -          | ┢            | _        | <u> </u>     | Н               |
|            | 10   | -              | $\vdash$  | -  | ⊢             | $\vdash$   | <del> </del> |          | $\vdash$     | $\vdash$        |
|            | 19   | -              | -   |  | ⊢             | ⊢          |              |          | -            | Н               |
| <u> </u>   | 20   | -              | <u> </u>  | <u> </u>   | _             | -          | $\vdash$     | _        | ⊢            | <u> </u>        |
|            | 21   | L              | L.  | _  | <u> </u>      |            | <u> </u>     |          | <u> </u>     |                 |
|            | 22   | _              | L   | _  | _             | <u> </u>   | L            |          |              |                 |
|            | 23   |                |   |  |               |            | L            |          |              |                 |
|            | 24   |                |   |  |               |            |              |          |              |                 |
|            | 25   |                |   |  |               |            |              |          |              |                 |
|            | 26   | •              |   |  |               |            | ٦.           |          |              |                 |
|            | 27   | <u> </u>       | 1   |  |               |            |              |          |              |                 |
|            | 28   | 1              | $\vdash$  | $\vdash$   |               | 1          | $\vdash$     | $\vdash$ | Т            |                 |
| _          | 20   | _              | ╁   | H  |               | $\vdash$   | _            | _        | -            | Н               |
| -          | 30   | -              | ╫   | ┢  | -             | ├一         | ⊢            | $\vdash$ | ├            | Н               |
| $\vdash$   | 30   | +              | ├   | -  |               |            | ⊢            | -        | ├-           | Н               |
| <b>├</b> ─ | 31<br>32<br>33   | ₩              | ⊢   | -  | -             | -          |              | ⊢        | -            | $\vdash$        |
|            | 32   | ╄              | _   | _  | ⊢             | ļ          |              |          |              | Н               |
| ļ          | 33   | ऻ              | $\vdash$  | ⊢  | <u> </u>      | <u> </u>   | <b>—</b>     | <u> </u> | L.           | Щ               |
|            | 34<br>35   | <u> </u>       | <u> </u>  | <u> </u>   | <u> </u>      | $\vdash$   | <u> </u>     | <u> </u> | <b>!</b>     | Ш               |
|            | 35   | <u> </u>       |   | _  | L_            | _          | L.           | _        | <u> </u>     | Ш               |
|            | 36   | L              | L   |  |               |            |              |          |              | $\bigsqcup$     |
|            | 37<br>38   |                |   |  |               |            |              |          |              |                 |
|            | 38   |                |   | 1  |               |            | Π            |          |              | П               |
|            | 39   | 1              |   | Т  | Г             | 1          |              |          | <u> </u>     | П               |
|            | 40   | $\vdash$       | $\vdash$  | $\vdash$   | Т             | T          | Т            | <u> </u> | t            | П               |
|            | 41   | +-             |   | t  | $\vdash$      | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$        |
|            | 42   | +              | +-  | $\vdash$   | -             | -          | $\vdash$     | $\vdash$ | <del> </del> | $\vdash \vdash$ |
|            |  | +              | ╁   | $\vdash$   | +-            | ├          | $\vdash$     | $\vdash$ |              | $\vdash$        |
| $\vdash$   | 43   | ╀              | ├   | ┼-   | $\vdash$      | ┼—         | $\vdash$     | ├        | $\vdash$     | $\vdash$        |
| <u></u>    | 44   |                | ₩   | -  | <u> </u>      | <u> </u>   | ├-           | <u> </u> | ⊬            | $\sqcup$        |
| <u></u>    | 45   | <del> </del> _ | ļ   | <u> </u>   | ╙             | lacksquare | <u> </u>     | <b> </b> | ऻ_           | Ш               |
|            | 46   |                | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | <u>L</u>   | <u> </u>      |            | otag         | L_       |              | Ш               |
|            | 47   |                | $L^{-}$   | $\Box$   |               |            | Ĺ            |          | Ĺ            |                 |
|            | 48   | Γ              |   |  |               |            |              |          |              |                 |
|            | 49   |                | Π   |  |               | T          |              |          |              |                 |
|            | 50   | T              | T   | 1  | Т             |            |              |          |              | П               |
|            |  |                |   | 1  |               |            |              |          |              |                 |

| Cla            | aim                        | Date         |   |  |  |  |  |  |  |               |
|----------------|----------------------------|--------------|---|--|--|--|--|--|--|---------------|
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| <del>_</del> = | Original                   |              |   |  |  |  |  |  |  |               |
| Final          | iĝi                        |              |   |  |  |  |  |  |  |               |
| ш              | ŏ                          |              |   |  |  |  |  |  |  | . 1           |
|                |                            |              |   |  |  |  |  |  |  | -             |
|                | 51<br>52<br>53             |              |   |  |  |  |  | _  |  | -             |
|                | 52                         |              |   |  |  |  |  |  |  |               |
|                | 53                         |              |   |  |  |  |  |  |  |               |
|                | 54_                        |              |   |  |  |  |  |  |  |               |
|                | 55                         |              |   |  |  |  |  |  |  |               |
|                | 54<br>55<br>56             |              |   |  |  |  |  |  |  |               |
|                | 57                         |              |   |  |  |  |  |  |  | П             |
|                | 58                         |              |   |  |  |  |  |  |  |               |
|                | 58<br>59                   |              | _   |  |  |  |  |  |  | $\neg$        |
|                | 60                         | $\vdash$     | $\vdash$  |  |  |  |  | _  |  | $\overline{}$ |
|                | 61                         | <del>-</del> |   | $\vdash$   | -  | -  | $\vdash$   |  | _  | -             |
|                | 61<br>62                   | H            | -   | ┢  | Н  | $\vdash$                                     |  |  | _  | $\dashv$      |
|                | 63                         | -            |   |  | -  | -  | <del> </del>                                     |  | -  | $\vdash$      |
|                | 64                         | -            | ├   | ├  | -  | ├  | <u> </u>   | <u> </u>   |  | $\vdash$      |
|                | 64<br>65                   | -            | <u> </u>  | ├  | $\vdash$   | <u> </u>                                     | <b> </b>   |  | H  |               |
|                | 65                         | <u> </u>     | <u> </u>  | <u> </u>   | <u> </u>   | <u> </u>                                     | <u> </u>   | <b> </b>   |  | <u> </u>      |
|                | 66<br>67<br>68             | _            | _   | <u> </u>   | <u>_</u>   |  | _  |  | _  |               |
|                | 67                         |              |   | L_   | _  | _  | _  | _  | _  | Ш             |
|                | 68                         |              |   | _  |  |  |  |  |  |               |
|                | 69<br>70<br>71             |              |   |  |  |  |  |  |  |               |
|                | 70                         |              |   |  |  |  |  |  |  |               |
|                | 71                         |              |   | Г  |  |  |  |  |  |               |
|                | 72<br>73<br>74             |              |   |  |  |  |  |  |  | П             |
|                | 73                         |              | i   |  |  |  |  | _  |  |               |
|                | 74                         | _            | ┢   | ┢  | 1  | -  | _  | $\vdash$   | <del> </del>                                     | Н             |
|                | 75                         |              | $\vdash$  | ┢  | ⊢  | $\vdash$                                     | -  | <del> </del>                                     |  | Н             |
| -              | 75<br>76<br>77<br>78<br>79 | $\vdash$     | ├-  | $\vdash$   | <del>                                     </del> | ┝  | ┢  | ├  | -  | H             |
|                | 77                         |              | ├─  | ⊢  | -  | ├  | $\vdash$   |  | -  | Н             |
|                | 70                         | -            | -   | ⊢  | ⊢  | ├  | ├  |  | -  | Н             |
|                | 78                         | $\vdash$     |   | ├-   | <u> </u>   |  | ├  |  |  | Н             |
|                | 79                         | _            | <u> </u>  |  | _  | ļ  | <u> </u>   |  | <u> </u>   | Ш             |
|                | 80                         | ╙            | L_  | _  | <u> </u>   | <u> </u>                                     | ļ  |  |  | $\Box$        |
|                | 81                         |              | _   |  |  |  | _  |  |  | Ш             |
|                | 80<br>81<br>82             |              | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ |  |  | L  | L  | L  | 乚  | Ш             |
|                | 83                         | L            |   | $L^{-}$  | L  | L  | L  | L  | L  |               |
|                | 83<br>84                   |              |   |  |  |  |  |  |  |               |
|                | 85                         | Π            |   | Π  | Γ  |  |  | Г  |  |               |
|                | 86                         |              | 1   | t  |  |  |  | Г  | Π  | П             |
|                | 86<br>87                   | Т            | Т   | 1  | 1  | 1  |  |  | <del>                                     </del> | П             |
|                | 88                         | t            |   | <del>                                     </del> | Т  |  | <del>                                     </del> | <del>                                     </del> | T  | $\vdash$      |
|                | 89                         | $\vdash$     | $\vdash$  | $\vdash$   | $\vdash$   | t  | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$      |
|                | 90                         | +            | 1   | $\vdash$   | +-   | <del> </del>                                 | $\vdash$   | $\vdash$   | $\vdash$   | Н             |
|                |                            | -            | ╁   | $\vdash$   | ├  | ├  | $\vdash$   | $\vdash$   | -  | $\vdash$      |
| -              | 91                         | $\vdash$     | $\vdash$  | ⊢  | ├  | ⊢  | ├  | -  | $\vdash$   | $\vdash$      |
|                | 92                         | ├            | ⊢   |  | $\vdash$   | ₩  | ├-   | <b> </b>   | ├  | -             |
|                | 93                         | <b>!</b>     | ├   | <del> </del>                                     | ⊢  | ⊢  | $\vdash$   | <b>!</b>   | <b> </b>   | <u> </u>      |
|                | 94                         | <u> </u>     | <b>!</b>  | <b>L</b>   | ļ  | <b> </b>                                     | ⊢  | <b>L</b>   | _  | $\sqcup$      |
|                | 95                         | ļ            | _   | <u> </u>   | 丄  | $oxed{oldsymbol{oldsymbol{oldsymbol{eta}}}}$ | <u> </u>   | L_   | L  | Ш             |
|                | 96                         | <u> </u>     | <u></u>   | <u> </u>   | <u> </u>   | _  | <u></u>  |  | L_   | Ш             |
|                | 97                         | L            | _   |  |  | oxdot  | $\perp$  | _  |  |               |
|                | 98                         | Ĺ            |   |  |  | Ĺ  | L  |  |  |               |
|                | 99                         |              |   |  |  |  |  | $\Box$   |  |               |
|                | 100                        |              | Г   |  |  |  | Г  |  |  | П             |
|                |                            | _            | _   | _  | -  | _  | _  |  | •  |               |

| Cla      | aim                                    |          |  |  |  | ate            | <del></del>                                      | -  |          |              |
|----------|--|----------|--|--|--|----------------|--|--|----------|--------------|
|          |  |          |  |  |  |                |  |  |          |              |
| a        | Original                               |          |  |  |  |                |  |  |          | - 1          |
| Final    | īĝ                                     |          |  |  |  |                | . 1  |  |          | .            |
| u .      | ō                                      |          |  |  |  |                |  |  |          |              |
| <u> </u> |  |          |  | _  | _  | -              |  |  |          | $\dashv$     |
|          | 101<br>102                             |          | _  |  |  |                |  |  |          |              |
|          | 102                                    |          | '  |  |  |                |  |  |          |              |
|          | 103                                    |          |  |  |  |                |  |  |          |              |
|          | 104                                    |          |  |  |  |                |  |  |          |              |
|          | 104<br>105                             |          |  |  |  |                |  |  |          |              |
|          | 106                                    |          | Г  |  |  | $\neg$         |  | _  |          |              |
| $\vdash$ | 107                                    |          |  | -  | -  | -              |  |  |          |              |
| -        | 107<br>108                             |          | ⊢  | -  |  |                |  |  |          |              |
| <u> </u> | 100                                    | -        |  | _  | _  |                |  | _  |          | Н            |
| ļ        | 109                                    |          | ₩  | _  | _  | _              |  |  | _        | ш            |
| <u></u>  | 110                                    | _        |  | Ш  |  |                |  |  |          | -            |
| <u></u>  | 110<br>111<br>112<br>113<br>114<br>115 | <u> </u> | <b></b>  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | <u></u>  |                |  | _  | L.       | Ш            |
| ·        | 112                                    | L        |  |  |  |                |  |  |          |              |
|          | 113                                    |          |  |  |  |                |  |  |          | $\Box$       |
|          | 114                                    |          |  | Γ  |  |                |  |  |          |              |
|          | 115                                    |          | Γ.   | Г  | Т  | П              |  |  |          |              |
|          | 116                                    |          | $\vdash$   | $\vdash$   | <b></b> -  |                | Н  | $\vdash$   |          | М            |
| <u></u>  | 116<br>117                             | $\vdash$ | ┢  | H  | -  | $\vdash$       |  | $\vdash$   | $\vdash$ | Н            |
| -        | 117                                    | ⊢        |  | ⊢  | -  | -              | -  | -  |          |              |
| -        | 118<br>119                             | <u> </u> | $\vdash$   |  | _  |                |  | _  | _        | $\vdash$     |
|          | 119                                    |          | ļ  | _  | _  |                | <u> </u>   | _  | _        | Щ            |
|          | 120                                    |          | <u> </u>   |  | _  |                |  |  |          |              |
|          | 121<br>122<br>123                      |          |  |  |  |                |  |  | _        |              |
|          | 122                                    |          |  |  |  |                |  |  |          |              |
|          | 123                                    |          | П  |  |  |                |  |  |          |              |
|          | 124<br>125<br>126                      |          |  |  |  |                |  | -  |          |              |
|          | 125                                    |          | _  | 1  |  | Ι              |  |  |          |              |
|          | 126                                    |          | <del>                                     </del> |  | -  | _              | $\vdash$   | -  |          | $\vdash$     |
|          | 127                                    |          | ┢  | 1  | ┢  | $\vdash$       | $\vdash$   | ┝  | $\vdash$ | $\vdash$     |
|          | 127<br>128<br>129<br>130<br>131        |          | -  |  | ⊢  | ⊢              | -  | -  | $\vdash$ | ├            |
|          | 120                                    | <u> </u> | -  | ⊢  | ⊢  | _              | ⊢  | <u> </u>   | ├—       | ⊢            |
|          | 129                                    | <u> </u> | -  | <u> </u>   | <u> </u>   |                | <u> </u>   | <u> </u>   | <u> </u> | _            |
|          | 130                                    | _        |  | L.   | <u> </u>   | <u> </u>       |  |  | <u> </u> |              |
|          | 131                                    |          |  |  | L  | _              |  | _  | <u>_</u> | _            |
|          | 132                                    |          |  |  |  |                |  |  |          |              |
|          | 132<br>133                             |          |  | L  |  |                |  |  |          |              |
|          | 134                                    |          |  |  |  |                |  |  | Γ_       | Г            |
|          | 135                                    |          |  |  |  | <u> </u>       | <u> </u>   | П  | Г        |              |
|          | 136                                    | 1        | $\vdash$   | <u>├</u>   |  | T              | <del>                                     </del> | Ι-   | T        |              |
| 1        | 137                                    | $\vdash$ | $\vdash$   | $\vdash$   | -  | <u> </u>       | $\vdash$   | <del>                                     </del> | $\vdash$ |              |
| <b>—</b> | 130                                    | $\vdash$ | +  | <del>  -</del>                                   | $\vdash$   | -              | ├  | $\vdash$   | $\vdash$ | <del> </del> |
| <u> </u> | 138<br>139                             | $\vdash$ | $\vdash$   | ├-   | $\vdash$   | <del>  -</del> |  | $\vdash$   | -        | -            |
|          | 139                                    | <b> </b> | 1-   | ├_   | ⊢  | -              | $\vdash$   | -  | ⊢-       | <u> </u>     |
| <u></u>  | 140                                    | <u> </u> | <del> </del>                                     | Ь_   | $\vdash$   | <del> </del>   | <u> </u>   | -  | ₩        | <u> </u>     |
|          | 141                                    | <u> </u> | 1  | $ldsymbol{f\perp}$                               | <u> </u>   | <u> </u>       | <u> </u>   | <b></b>  | L_       | _            |
| L        | 142                                    |          |  | $oxed{oxed}$                                     |  |                | <u></u>  | $oxed{oxed}$                                     | L        |              |
|          | 143                                    |          |  |  | $\Box$   |                |  |  |          | Ĺ            |
|          | 144                                    |          |  |  | Г  |                | Π  |  |          |              |
|          | 145                                    | Π        | T  |  | Γ  | Π              |  |  | Γ        | Г            |
| <b></b>  | 146                                    | ┢        | †  | 1  | <del>                                     </del> | $\vdash$       |  | $\vdash$   | $\vdash$ | $\vdash$     |
| -        | 147                                    | $\vdash$ | $\vdash$   | <del>                                     </del> | +-   | $\vdash$       | $\vdash$   | -  | ┰        | $\vdash$     |
| -        | 148                                    | $\vdash$ | -  | +-   | $\vdash$   | $\vdash$       | <del> </del>                                     | <del> </del>                                     | $\vdash$ | -            |
| <b> </b> |  | +-       | ╀  | ╁  | ╁  | ⊢              | $\vdash$   | ⊢  | ├-       | -            |
| -        | 149                                    | ⊢        | ╀  | +-   | -  | ├              | -  | $\vdash$   | $\vdash$ | ├            |
| Ĺ        | 150                                    | _        | <u> </u>   | <u> </u>   | _  | L              | <u> </u>   | <u></u>  | <u> </u> | Ļ_           |